THE NAVAJO NATION
DEPARTMENT OF INFORMATION TECHNOLOGY
"Our goal is to purchase a computer system that will not be obsolete or outdated equipment for at least 3-years. It must be covered by 3-years of warranty" And should provide a consistent user experience and have a standard of management capabilities.

LAPTOP/NOTEBOOK MINIMUM RECOMMENDED COMPUTER SPECIFICATIONS FOR STANDARD MOBILE USER

- **BRAND:**
  HP, DELL Lenovo, etc., (the well-known names in the industry). ***Do not purchase consumer (home, media, student) class notebooks***. Always purchase business class products for the longer life cycles, quality, support and manageability.

- **INTEL PROCESSOR:**
  - Core i5 (Minimum), Core i7 (Recommended), or, Core i9 (Maximum) (Intel 8, 9 & 10th generation processors)
  - AMD 3rd Generation processor & AMD 5000 Series processor

- **OPERATING SYSTEM:**
  - Microsoft Windows 10 Professional (As of June 2020, Microsoft ended supporting Windows 7)

- **APPLICATION SOFTWARE:**
  - Microsoft Office Professional 2019 (latest Full Version software). Either purchased via Microsoft ESD (Electronic Software Distribution) or Microsoft VLSC (Volume License Center for larger quantities)

- **ANTIVIRUS/SPYWARE/ADWARE/FIREWALL:**
  - 3-year license – Department of Information Technology procured Palo Alto Cortex XDR antivirus

- **SYSTEM BOARD:**
  Required features:
  - TPM 1.2 -> 2.0

- **MEMORY:**
  - DDR4 Memory. 16GB is recommende32GB for High End GIS or Adobe Premier Users

- **HARD DRIVE:**
  - Recommend standardizing on SSD (Solid State Drive with no moving parts) as opposed to SATA 7200RPM Spinning HDD – it is the best value upgrade out of all components today
    - Size ranges are 256GB, 512GB, 1TB, or 2TB
    - M.2. PCIe NVMe Class 40 Solid State Drive

- **EXTERNAL HARD DRIVE (Optional):**
  - 500GB or 1TB to be used for data backups
  - Speed (e.g., USB 3.1/2 Gen2, Thunderbolt) should be specified

- **DVD BURNER DRIVE:**
  - 8x speed. Choice between DVD Reader, DVD-Burner, Blue Ray Reader or Blue Ray Burner. Most new computers do not include these, so and External USB DVD Burner may need to be purchased separately.

- **ETHERNET PORT:**
  - Recommended to connect to network; option is to connect via docking station

- **WIRED OR WIRELESS NETWORK CARD:**
  - Gigabit LAN 10/100/1000 Network Card built onboard is normal
  - Most Laptops and All-In-One Desktops come standard with Wireless cards. Normal Desktops would need to purchase a wireless card separately if required. Plugging in a hardwire cable is faster and more secure, so wireless is optional

- **BLUETOOTH:**
  - Bluetooth is an open wireless technology used to connect to external Bluetooth devices.
.

- **BATTERY:** Batteries normally come with 1 year warranty. Recommend Long Life battery or 3 year warranty uplift if available for better performance and 3 year warranty.

- **CARRY CASE: (Optional)**
  Purchase a carry case that is convenient and comfortable for you. Include printer compartment, if purchasing portable printer.

- **WEBCAM (CAMERA) AND/OR MICROPHONE:** usually standard with most devices

- **SCREEN SIZE:**
  Choosing your notebook's screen size is very important decision. Someone that travels often might seriously consider a smaller notebook that weighs less. Someone that uses their notebook instead of a desktop might require more power and a larger screen.

  Recommendations (BASED ON END USER'S PREFERENCE):   15.6" OR 17"
  Tip: The new standard for screens is LED, which is brighter and requires less power.

- **WARRANTY:**
  3-Year Parts and Labor Onsite. Recommend ADP (Accidental Damage Protection) for Laptops.

  US Based Support is preferred.